IN THE CLAIMS

Please amend the claims as follows:

- 1 (Currently Amended). A fuel cell system comprising:
- a <u>liquid</u> fuel cell having an anode, a cathode and an electrolyte membrane put therebetween;
 - a fuel supply unit supplying liquid fuel to the anode;
 - an air supply unit supplying air to the cathode; and
- a heat exchanger exchanging heat between the <u>liquid</u> fuel supplied by the fuel supply unit to the anode and an exhaust exhausted from the <u>liquid</u> fuel cell.
- 2 (Original). The fuel cell system of claim 1, wherein the exhaust is exhausted from the cathode.
- 3 (Original). The fuel cell system of claim 1, wherein the exhaust is exhausted from the anode.
- 4 (Original). The fuel cell system of claim 1, wherein the exhaust is exhausted from both the cathode and the anode.
 - 5 (Currently Amended). The fuel cell system of claim 1, wherein:

the fuel supply unit further comprises a mixing container mixing the <u>liquid</u> fuel and the exhaust so as to form a <u>liquid</u> mixture in advance.

6 (Canceled).

7 (Currently Amended). The fuel cell system of claim 1, wherein:

the liquid fuel cell is a direct methanol fuel cell.

8 (Currently Amended). A fuel cell system comprising:

a <u>liquid</u> fuel cell having an anode, a cathode and an electrolyte membrane put therebetween;

a fuel supply unit including a mixing container mixing <u>liquid</u> fuel and an exhaust exhausted from the <u>liquid</u> fuel cell so as to form a <u>liquid</u> mixture, the <u>liquid</u> mixture being supplied to the anode;

an air supply unit supplying air to the cathode; and

a heat exchanger connected to the mixing container so as to exchange heat between ambient air and the liquid mixture.

9 (Currently Amended). The fuel cell system of claim 8, wherein:

the mixing container is configured so that the exhaust passes through the <u>liquid</u> mixture housed in the mixing container, <u>thereby such that gas fractions in the exhaust [[is]]</u> are separated.

10 (Currently Amended). The fuel cell system of claim 8, further comprising:
a second mixing container communicated with the mixing container wherein the
liquid mixture is supplied from the second mixing container to the anode.

11 (Currently Amended). The fuel cell system of claim 8, further comprising:
a second heat exchanger exchanging heat between the <u>liquid</u> mixture supplied by the fuel supply unit and an exhaust exhausted from the anode.

- 12 (Currently Amended). The fuel cell system of claim 8, further comprising:
- a second heat exchanger exchanging heat between the <u>liquid</u> mixture supplied by the fuel supply unit and an exhaust exhausted from the cathode.
 - 13 (Currently Amended). The fuel cell system of claim 8, further comprising:
- a second heat exchanger exchanging heat between the <u>liquid</u> mixture supplied by the fuel supply unit and an exhaust exhausted from the cathode and the anode.
 - 14 (Cancelled).
 - 15 (Currently Amended). The fuel cell system of claim 8, wherein: the liquid fuel cell is a direct methanol fuel cell.
 - 16 (Currently Amended). A fuel cell system comprising:
- a <u>liquid</u> fuel cell having an anode, a cathode and an electrolyte membrane put therebetween;
- a fuel supply unit including a mixing container mixing <u>liquid</u> fuel and an exhaust exhausted from the <u>liquid</u> fuel cell so as to form a <u>liquid</u> mixture, the <u>liquid</u> mixture being supplied to the anode;
 - an air supply unit supplying air to the cathode;
 - a heat exchanger exposed to an ambient air; and
- a circulation unit circulating the <u>liquid</u> mixture between the mixing container and the heat exchanger so as to exchange heat between the ambient air and the <u>liquid</u> mixture.
 - 17 (Currently Amended). The fuel cell system of claim 16, wherein:

the mixing container is configured so that the exhaust passes through the <u>liquid</u> mixture housed in the mixing container, such that thereby gas fractions in the exhaust [[is]] are separated.

18 (Currently Amended). The fuel cell system of claim 16, further comprising:
a second mixing container communicated with the mixing container wherein the
liquid mixture is supplied from the second mixing container to the anode.

19 (Currently Amended). The fuel cell system of claim 16, further comprising:

a second heat exchanger exchanging heat between the <u>liquid</u> mixture supplied by the fuel supply unit and an exhaust exhausted from the anode.

20 (Currently Amended). The fuel cell system of claim 16, further comprising:

a second heat exchanger exchanging heat between the <u>liquid</u> mixture supplied by the fuel supply unit and an exhaust exhausted from the cathode.

21 (Currently Amended). The fuel cell system of claim 16, further comprising:

a second heat exchanger exchanging heat between the <u>liquid</u> mixture supplied by the fuel supply unit and an exhaust exhausted from the cathode and the anode.

22 (Canceled).

23 (Currently Amended). The fuel cell system of claim 16, wherein: the liquid fuel cell is a direct methanol fuel cell.